

Date: Sat, 15 Oct 94 04:30:16 PDT
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: List
Subject: Ham-Equip Digest V94 #376
To: Ham-Equip

Ham-Equip Digest Sat, 15 Oct 94 Volume 94 : Issue 376

Today's Topics:

B.S. MESSAGES IN rec.radio.swap
 balun construction
 FT-530 Mic. Impedence?
 Ham-Equip Digest V94 #375
 Hummerland SP 600 receiver
 Kenwood th79 use while charging
 Question about FM receiver noise
 REAL BASIC CW Ques.

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Fri, 14 Oct 1994 17:09:12 -0500
From: johnp@ipctech.com (John Pendergraft)
Subject: B.S. MESSAGES IN rec.radio.swap

Does anyone know why there have been so many non-radio related forsale postings
in the radio.swap news group? Is it intentional or is it a technical problem?
That newsgroup is getting flooded with all kinds of crap. John K04MY

Date: 14 Oct 1994 09:02:05 -0700
From: zardoz@ornews.intel.com (Jim Garver)
Subject: balun construction

In article <37jge3\$j0o@hp-col.col.hp.com>,

Mike Stansberry <jms@col.hp.com> wrote:

>I want to construct a balun, for a receiver, 50 ohms unbalanced
>to 200 ohms balanced, covering the frequency range of .5 to 33 MHz.
>All the toroid cores I've found (Amidon) don't seem to cover that
>wide of a frequency range. Does anyone have any ideas how to go
>about such a task? Should I just select the closest toroid core
>and accept the losses when I use it out of it's frequency range?

You could try to make the old bi-filar wound pair of air core coils
that make a 4:1 balun which is the least lossy balun that I know of.
Barker & Williamson (B&W) used to sell one of these and I think I
have one somewhere that I picked up at a swap meet. Its kinda big
but looks keen. Construction info is available in the ARRL handbook
or maybe Bill Orr's Radio Handbook.

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zardoz@ornews.intel.com WA7LDV "Each day is like a crisp new dollar bill.
I speak only for myself. How will you spend it?" - Barnaby Jones

Date: 12 Oct 1994 22:06:25 -0500
From: davros@news.eden.com (Buddy Brannan)
Subject: FT-530 Mic. Impedence?

Does anyone know off-hand what the impedance is for the internal
microphone on the FT-530 handheld? I have a friend who wants to replace
the mic element in his with a less sensitive one (or at least, one that
blocks out background noise better...) Please respond via Email...

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Buddy Brannan, KB5ELV	Mary had a little lamb.
(512)441-3246 (Home)	Her father shot it dead.
Internet: davros@eden.com	Now Mary takes her lamb to school
davros@ccwf.cc.utexas.edu	Between two bits of bread.

Date: 15 Oct 94 07:28:41 GMT
From: fgilmore@ozarks.SGcl.lib.mo.US (C. Frank Gilmore)
Subject: Ham-Equip Digest V94 #375

> Date: Wed, 12 Oct 1994 23:36:00 GMT
> From: clint.bradford@ectech.com (Clint Bradford)
> Subject: HTX-202 Mods wanted
>
> S>Path: planet!isdnlin.mtsu.edu!darwin.sura.net!news.larc.nasa.gov!ames!news.Ha

> >From: stephen@news.hawaii.edu (Stephen Walker)
> >Newsgroups: rec.radio.amateur.equipment
> >Subject: HTX-202 Mods wanted
> >Message-ID: <CxJ8H7.LL7@news.Hawaii.Edu>
>
> S>Anyone know of non-intrusive mods (front panel) or a shop/tech that is
> >legal and willing to make the mods?
>
> There are NO, repeat - NO out-of-band Modifications for the
> HTX-202. Do not attempt any modification that claims such.
> The HTX-202 is a solid performer, and does EVERYTHING it
> is advertised to do - and does it well.
>

I think every Radio Shack should have a brightly lit sign over their HTX-202 display saying "leave the damn things alone...they can't be modified to do whatever you think they can!"

At a large local hamfest a few months ago I saw no less than four '202s that someone had tried to modify and ruined. Highest dollar was \$70, wish I had bought one since I broke the case on mine later. Three came from the golden hands of a professional VHF/UHF two-way repairman. He had not learned from the first botched up mess but had to ruin two more for newbies before word got around what a farce it was.

When I was on staff at ARRL in the 60's before opening my own amateur radio store I used to spend a lot of time in the tech department going through the articles that had been submitted. You would not believe some of the crap that came in for modifying gear! Now we are talking 1962 era stuff that was pretty layed back....not high strung like today's gear.

But guys sent in elaborate articles that entailed drilling dozens of holes in the front and back panels, ripping out the IF strip and putting in strings of cans from command set receivers (the old Q5er for you OTs that remember them...they worked outboard fine but inboard?????)....and each author thought he had the ultimate diagnosis for what he perceived to be a problem. Our lab in the basement at 38 La Salle had four or five receivers or transmitters where something halfway promising was attempted...and failed. Our tech folk like Lou McCoy and Laird Campbell didn't give up easily. One fellow has a mod to turn the G-76's rather hair trigger six meter section into a 2 meter rig! I ran a G-76 mobile with a Squalo...now there is a collector's item.....and when it would stay resonant it worked great....but you breath on it and it was pegging the plate meter. Can imagine it on two.

Someday at hamfests you will see piles of '202s dirt cheap...but the trouble is most will all have the same ruined components so even a basketful will not produce a usable xcvr.

73, Frank K0JPJ ex-W5PVX Defender of screwdrivered '202s

Date: Fri, 14 Oct 1994 21:26:21 GMT
From: rogeriv@sco.COM (Roger Vortman)
Subject: Hummerland SP 600 receiver

>I have a Hummerland SP 600 receiver that I was thinking of adding a product detector to.

Where's the "Most Humorous Typo Contest" when you need it?

Date: 14 Oct 1994 21:07:15 -0500
From: duanev@pentagon.io.com (duane voth)
Subject: Kenwood th79 use while charging

In article <Pine.SUN.3.90.941009143315.13614A-1000000@corsair.eng.auburn.edu>, Donald L Mills <millsdo@eng.auburn.edu> wrote:
>No you may not use the TH-79 on charge and use it at the same time.

I missed the question here but...

Right, with the rapid charger *do not* turn on the rig. But with the wall charger and the cigarette lighter charger - no problem. The wall charger however only gives you 300ma so you can't transmit. But the cigarette lighter charger some how manages to give you all 5 watts max! (at least thats what the output meter on the unit says).

--
--- Duane Voth _/_/ work: duanev@mpd.tandem.com
--- KC5BGV _/_/ play: duanev@io.com
--- ALL systems are arbitrary! Effectiveness is the measure of Truth
--

Date: Fri, 14 Oct 1994 18:59:28 GMT
From: harris.pander01@ic1d.harris.com (Paul Anderson)
Subject: Question about FM receiver noise

I have two FM receivers, of different designs, which exhibit similar problems; one does it intermittently, and the other always.

If there's no RF input, the audio is always on (no squelching action). When

there is an RF input, the receivers quiet and the audio sounds fine. When the problem is present, no adjustment of the squelch control will activate the squelch. On the intermittent receiver, which happens to be in the car, the noise takes the form of impulse noise whenever the ignition is on.

All this leads me to surmise that there's not enough signal into the discriminators to allow limiting to occur (hence the AM noise in the car), so I should be looking for the cause of low IF signals into the discriminators. Can anybody confirm that discriminators without amplitude-limited input levels produce unsquelchable noise on their outputs? (BTW, both receivers use high-audio-frequency (above 3 kHz) noise-operated squelches.)

*** Paul Anderson ***
*** E-mail: harris.pander01@ic1d.harris.com ***
*** Amateur Packet: AB4VA @ N5AUV.#MLBFL.FL.USA.NA ***

Date: 14 Oct 1994 13:15:07 -0400
From: jimkd0av@aol.com (JimKD0AV)
Subject: REAL BASIC CW Ques.

I think Joe gives you good advice in purchasing a keyer. But it is important to learn the code and for that there are several good software programs, such as Super Morse, etc., to help teach that
73, Jim KD0AV

End of Ham-Equip Digest V94 #376
